

**SYSTEM AND METHOD FOR DIAGNOSING AND MONITORING
MYOCARDIAL ISCHEMIA FOR AUTOMATED
REMOTE PATIENT CARE**

Abstract

5 A system for diagnosing and monitoring myocardial ischemia for
automated remote patient care is presented. A database stores monitoring sets
containing recorded measures relating to patient information recorded on a
substantially continuous basis. A server retrieving and processing the monitoring
sets includes a comparison module determining a patient status change by
10 comparing recorded measures and time from each of the monitoring sets to other
recorded measures and time from another monitoring set with both recorded
measures relating to a same type of patient information recorded at different
times, and an analysis module testing each patient status change for an absence,
an onset, a progression, a regression, and a status quo of myocardial ischemia
15 against a predetermined indicator threshold, including hysteresis threshold,
corresponding to same type of patient information as the compared recorded
measures.